

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB 03/02785

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02M5/257

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02M 605F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 787 023 A (THOMAS FRIEDRICH-WERNER) 22 November 1988 (1988-11-22) abstract column 3, line 60 - line 68 column 4, line 6 - line 12 figures 1-4 ---	1-14, 16-28, 30, 34
X	GB 1 045 002 A (STANDARD TELEPHONES CABLES LTD) 5 October 1966 (1966-10-05) page 1, line 30 - line 36 page 2, line 26 - line 59 figure 3 --- -/-	1, 5, 6, 11-15, 18, 22, 23, 28, 29

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

19 November 2003

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10/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 754 036 A (WALKER N EDWARD) 19 May 1998 (1998-05-19) column 2, line 23 - line 44; figures 1,3A column 8, line 12 - line 25; figure 7A -----	1-31

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information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4787023	A	22-11-1988	DE 3619801 A1 EP 0249083 A2 JP 63000718 A	17-12-1987 16-12-1987 05-01-1988
GB 1045002	A	05-10-1966	CH 425971 A FR 1439045 A	15-12-1966 20-05-1966
US 5754036	A	19-05-1998	AU 3738197 A CA 2260941 A1 EP 0919019 A1 PL 331331 A1 WO 9804964 A1	20-02-1998 05-02-1998 02-06-1999 05-07-1999 05-02-1998